

Cole



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT NO.: 6,805,829 B2

PATENTEE: GÖTZEN-1 PCT ISSUED: OCTOBER 19, 2004

SERIAL NO.: 09/914,585 FILED: AUGUST 29, 2001

TITLE: METHOD FOR PRODUCTION OF THREE-DimensionALLY ARRANGED
CONDUCTING AND CONNECTING STRUCTURES FOR VOLUMETRIC AND
ENERGY FLOWS

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. 1.322

Attn: Certificate of Correction

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Certificate

NOV 05 2004

of Correction

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.322 of the Rules of Practice, which implement 35 U.S.C. 254 and 255, approval of the attached Certificate of Correction for the above-identified patent to correct the error noted below appearing in the issued patent is respectfully requested.

Most recently, in reviewing the above-identified patent, it was discovered that a typographical errors appeared in Claim 1 which should be corrected.

In particular, in Claim 1, line 3 of Element (a), Column 2, line 67, please change "physical chemical" to correctly read:

--physical, chemical,--.

In Claim 1, line 5 of Element (h), Column 4, Line 1, please change "thickness and" to correctly read:

--thickness, and--.

In Claim 1, line 9 of Element (h), Column 4, Line 5, please change "components as" to correctly read:

--components, as--.

In Claim 2, line 2, Line 24 of Column 4, please change "mechanical optical," to correctly read:

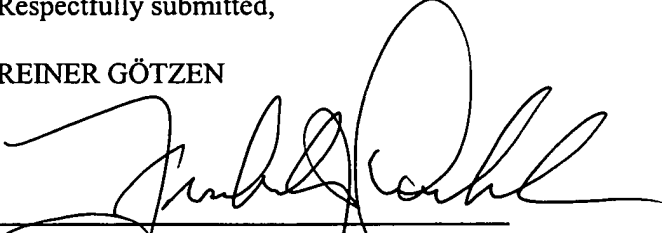
--mechanical, optical,--.

Since the errors were the fault of the PTO as is shown by the attached excerpts from the Amendment in Response to the First Office Action dated November 13, 2003, no fee is required for the filing of this Certificate of Correction. However, should any additional fees be required, the Commissioner is authorized to charge such fees to Deposit Account No. 03-2468.

Accordingly, approval of the attached Certificate of Correction is respectfully requested.

Respectfully submitted,

REINER GÖTZEN



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Enclosures: Certificate of Correction in duplicate
Excerpts from the Amendment in Response to the First Office Action dated 11/13/03.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP Petition Certificate of Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 28, 2004.



Ingrid Mittendorf

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (canceled).

Claim 3 (currently amended): The method according to claim ~~2, characterized in that~~ 5, wherein several electronic, mechanical, optical, or chemical ~~or biological/electrical~~ components are connected to each other.

Claim 4 (currently amended): The method according to claim ~~3, characterized in that~~ 5, wherein the connections between the components and the environment of the system can be used for volumetric and energy flows.

Claim 5 (new): A method for producing three-dimensionally arranged conducting and connecting structures, whereby different light-setting materials are employed, which comprises the following method steps:

(a) generating a structured first layer by structured prefabrication of a liquid, light-setting material having selected physical, chemical, or biological properties;

(g) fitting areas not filled with material with electronic, mechanical, optical, or chemical components according to the system to be produced;

(h) filling the structured layers and the components with liquid, light-setting material having other physical, chemical, and biological properties, covering the filled layers with a layer of liquid, light-setting material having a defined thickness, and curing the areas in a structured manner to generate a connection of materials and components having the same physical, chemical, or biological properties, or an insulation of such materials and components, as well as a connection between the components;

(i) repeating steps (a) to (h) until a three-dimensional structure has been built up, whereby each of said layers is generated with a small amount of light-setting plastic between two plane-parallel plates, at least one of which is permeable by electromagnetic waves, the small amount of the light-setting plastic being held in place by surface tension, whereby the thin layer is exposed by means of the electromagnetic waves, using a three-dimensional layer model of the structure to be generated, built up layer by layer, whereby this model is stored in the memory of a computer and the electromagnetic waves cure layer by layer at the exposed locations, in structured manner, using this

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MAILING ADDRESS OF SENDER:

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PATENT NO. 6,805,829

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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